

## WELCOME

Congratulations on the purchase of your CRX4000 product!  
Please retain your original dated sales receipt for your records.  
For warranty service of your CRX4000 product, you will need to provide a copy of your dated sales receipt to confirm warranty status.  
Thank you for choosing a Momentum product.

- ✦ **Please read important safety instructions before use.**
- ✦ **Read and understand all instructions before use.**
- ✦ **Please retain this guide for future reference.**

The information contained in the CRX4000 user guide is believed to be correct at the time of printing. We reserve the right to change or modify any information, product specifications, features or functionality without notice. The contents of the CRX4000 user guide are provided “as is.” Certain features may not be activated by your service provider, and/or their network settings may limit the feature’s functionality. Additionally, certain features may require a subscription. Contact your service provider for details.

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## PRECAUTIONS

### 1. Please do not try to take out the SIM card of this phone.

This SIM card is a special encrypt card, it cannot be used in other mobile phones. It's the warranty of the product, if you try to rip or remove the SIM Card, The warrant will be not valid and your product will not be warranty in any case.

### 2. Please do not to turn around the antenna at will, in order to avoid create the damage of antenna.

### 3. Keep the phone away from water and damp areas.

Water or other liquids may cause overheating, electrical leakage, and failure of the phone.

### 4. Do not try to disassemble the phone.

This can cause electric shock and failure of the phone. Tampering will also void the phone's warranty.

### 5. Put the phone in a safe and stable place.

### 6. Keep away from dust and heat radiation (i.e. microwaves, stoves, etc.)

7. Try to use the phone away from ordinary telephones, television sets, radios, and automated office equipment to avoid interference between the devices.

8. Use clean soft dry cloth to wipe the phone. Do not use any **chemical** agents.

9. Do not put the phone near **explosive or inflammable** materials.

10. Use the phone only within the temperature range of -20 ° C~60 ° C and humidity range of 0%~95%.

11. Keep all accessories or batteries out of the reach of small Children or babies. Please instruct children the proper ways of handling phone during usage. Shock circuit or breakdown may occur and may cause severe danger to user due to improper usage.

## SAFETY INFORMATION

### 1. EXPOSURE TO RADIO FREQUENCY (RF) ENERGY

Your phone contains a transmitter and a receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

Your phone is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

### 2. OPERATIONAL PRECAUTIONS

To assure optimal phone performance and make sure human exposure to RF energy is within the guidelines set forth in the relevant standards; always adhere to the following procedures.

### 3. EXTERNAL ANTENNA CARE

Use only the supplied Momentum approved antenna. Unauthorized antennas, modifications, or attachments could damage the phone.

Do NOT hold the antenna when the phone is IN USE. Holding the antenna affects call quality and may cause the phone to operate at a higher power level than needed. In addition, use of unauthorized antennas may result in non-compliance with the local regulatory requirements in your country.

### 4. PHONE OPERATION

When placing or receiving a phone call, hold your phone as you would a wireless telephone.

To maintain compliance with RF energy exposure guidelines, ensure the phone antenna is at least 10 inches (25 centimeters) from your body when transmitting.

### 5. APPROVED ACCESSORIES

Use of accessories not approved by Momentum, including but not limited to batteries and antennas, may cause your phone to exceed RF energy exposure guidelines.

## 6. RF ENERGY INTERFERENCE / COMPATIBILITIES

Nearly every electronic device is susceptible to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your phone may cause interference.

## 7. MEDICAL DEVICES

### 1) Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 8 inches (20centimeters) be maintained between the fixed wireless phone and a pacemaker.

Persons with pacemakers should:

Always keep the phone more than 8 inches (20 centimeters) from your pacemaker when the phone is turned ON.

Turn OFF the phone immediately if you have any reason to suspect that interference is taking place.

### 2) Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.





### 3) Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

## 8. BATTERIES

Batteries can cause property damage and / or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touches exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse or other container with metal objects. Use only original batteries and chargers.

Your battery or phone may contain symbols, defined as follows.

	<b>Important safety information will follow</b>
	<b>Your battery or phone should not be disposed of in a fire</b>
	<b>Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information</b>
	<b>Your battery or phone should not be thrown in the trash</b>

Please don't use any damaged battery or charger and use the battery only for its intended purpose.

Don't apply extreme shock to the battery. It's dangerous to disassemble a battery or to apply extreme shock to the battery via nail or heavy metal objects.

Keep the charger or batteries out of reach of small children or babies.

Please instruct children the proper ways of handling phone during usage.

Shock circuit and breakdown may occur and cause severe danger to user due to improper usage.

Always try to keep the battery between -10 ~ 55 Celsius.

Use only manufacturer approved rechargeable batteries and charger designated for this devise

## 9. Seizures / Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when watching television or playing video games. These seizures or blackouts may occur even if a person never had a previous seizure or blackout.

If you experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your doctor.

## PACKAGE CONTENTS



**Transceiver / Phone**



**Handset**



**Handset Cord**



**Adapter**

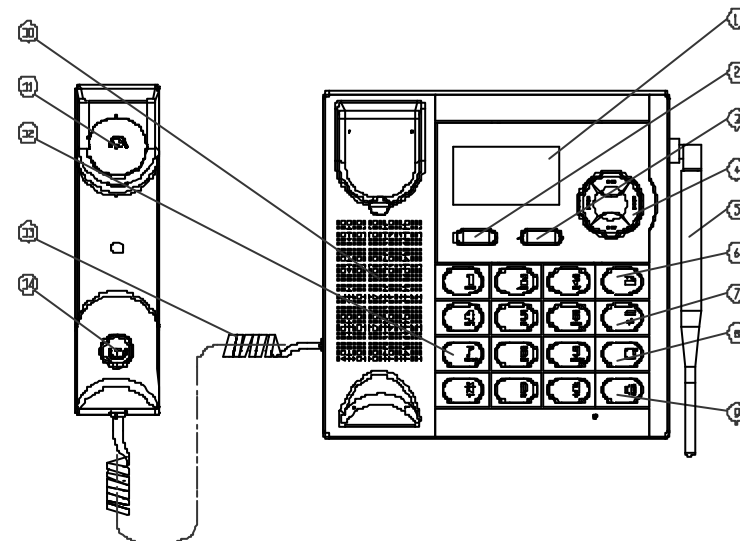


**Antenna**



**Backup Battery**

## PHONE OVERVIEW



No	Description	No	Description
1	LCD Display	2	Menu / OK / Option / Left soft Key
3	Contacts / Back / Cancel / Right soft Key	4	Scroll / Navigation Key
5	Dual Band Antenna	6	Send / Answer / Call Key
7	End / Power on off Key	8	Redial Key
9	Speaker Phone Key	10	Speaker
11	Receiver of Handset	12	Dial / Numeric Key
13	Coil Cord	14	Microphone

The appearance of the parts in your package may be different from those in this manual

Package contents may vary by market. Please check with your service provider.

## INSTALLATION

### [ 1 ] installing Coil Cord

Connect the coiled cord to both the handset and the base.

### [ 2 ] Installing Antenna

Install the antenna to the antenna connector. Hold the plastic portion of the antenna and turn the metal screw clock-wise.

### [ 3 ] Plugging AC/DC Adapter


Connect the adaptor to the AC Wall outlet.

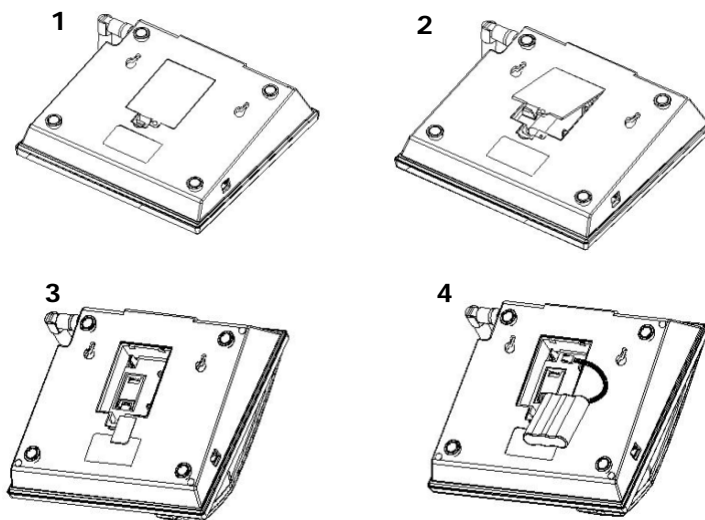
### [ 4 ] SIM Card and battery

- 1) Remove the battery door.
- 2) Insert SIM card into the SIM slot in the right direction
- 3) Connect the rechargeable battery pack into the battery plug
- 4) Replace the battery door.

### [5 ] Turning Phone's Power On/Off

After installing the handset correctly, press the power key which is on the right of the front panel for about 3 seconds, the phone will then automatically test whether the SIM Card is inserted and valid. Wait for the antenna icon to display indicator bars before you make a call.

- 1) When the battery icon is empty, connect the external power adapter's barrel connector to the external power input on back panel of unit.
- 2) Plug the external power adapter into the power socket. The unit will power up automatically.
- 3) Check the cellular signal strength and move the  until the best signal possible is achieved.
- 4) In state of power-on, press and hold button power key, LCD screen closes.



#### Note :

The battery pack is a backup for emergencies in case of a power failure. Do not operate the phone without having the AC/DC adaptor connected. Be sure to carefully match the positive and negative terminals as shown on the battery. When using the phone for the first time, charge it for over 6 hours to ensure optimum battery charge.

#### Caution :

It is prohibited to use the SIM card for this Fixed Wireless Phone in other GSM phone. Once the SIM pin number is entered, the SIM pin is automatically changed so the initial PIN is no longer valid. Therefore, it is highly recommended NOT to take out the SIM card once it is installed in this product. DO NOT bend or scratch your SIM card, and avoid exposing it to static electricity, water, or dirt. The battery pack is a backup for emergencies in case of a power failure. Do not operate the phone without having the AC/DC adaptor connected. Be sure to carefully match the positive and negative terminals as shown on the battery.

## KEY FUNCTION

### [ 1 ] Left / Right Soft Key ( Menu / Contacts key )

- Press the left soft key **Menu** to perform the function indicated by the text on the screen above the key.
- Press the right key **Contacts** to directly access the Contacts list.

#### Note :

The functions of the selection keys depend on the guiding text shown above the keys. For example, when the text **Menu** is above the left soft key, press , and the left key enters the menu functions. Similarly, pressing the right soft key under the text **Contacts** accesses the Phone Book functions.

### [ 2 ] Send key

- Press to make a call to a name / number shown on the screen.
- Press to answer a call.
- Press and hold for 1 second to access the list of recently dialed numbers.

### [ 3 ] End key

- Press to end a call.
- Press once to exit a function and return to the start screen.

### [ 4 ] Numeric Keys

- Used for entering numbers and letters.
- Press and hold to call the voice mailbox.
- Press to toggle between upper case, lower case and numeric modes .
- Press to toggle between letters and symbols.

### [ 5 ] Navigation / Scroll keys

- Press left / right navigation key to increase or decrease ring volume.
- Press up navigation key to select dial records.
- Press down navigation key to write new message.
- Press to select the function & to move numeric or characters

#### Note :

The phone has four navigation keys, located just right side of the screen. The scroll / navigation keys have up and down arrows on them; press these to scroll through the phone's menus.

### [ 6 ] Redial Key

- Press to make a call to the latest calling party



















### [ 7 ] Speaker key

- Turn the speaker ON and OFF in conversation mode.
- Call end

## DISPLAY INDICATORS AND ICONS

The display indicators and icons provide information about the operation of the phone.



The start screen is displayed when the phone is turned ON. Several features can be used only when the phone is at the start screen.

	<p>Signal Strength Indicator Indicate the strength of the network signal</p> 
	<p>Volume tone Indicator Indicate the tones of the Volume</p> 
	<p>Battery Level indicator</p> 
	<p>Alarm Indicator : shows when the alarm is activated</p>
	<p>Missed call</p>
	<p>Call Divert</p>
	<p>Keypad Locked</p>
	<p>Call Mute</p>
	<p>Contacts / Messages stored in SIM card</p>
	<p>Contacts / Messages stored in Phone</p>
	<p>SMS read already</p>
	<p>Sent SMS</p>
	<p>Unread SMS</p>
	<p>Unsent SMS</p>
	<p>Voice message</p>




## BASIC OPERATION

### [ 1 ] Switching the phone ON and OFF



- 1) To turn on your phone, press and hold “**End key**”  for a few seconds or until the display turns on.
- 2) To turn off your phone, press and hold “**End key**”  for a few seconds

### [ 2 ] Making a call


- 1) Raise your receiver and enter phone number which you want to call
- 2) After entering phone number and press “**Call key**”  to make a call.

**Tip: In some menus like Contacts, Dial Records, etc. which have individual phone number, Press “Call key” directly to make a call.**


### [ 3 ] Answering a call

When your phone rings, just raise your receiver to answer, or press “**Call key**”  or “**Speaker key**”  to answer in speaker phone mode.

### [ 4 ] Speaker mode.


You can make or answer a phone call by pressing  when the handset is on the base.

To make a call:

- 1) Press **Speaker key**  to turn **ON** the speaker phone mode.
- 2) If you hear the dial tone, press the number you want to connect to.
- 3) Press Send key




**Note: The call is automatically made without pressing, approximately 3 seconds after you dial the number.**

To answer a call

When the phone rings, press **Speaker key**  to turn ON the speaker phone mode.



### [ 5 ] Adjusting the Ring Volume

You can adjust the ring tone volume by pressing the scroll keys on the phone.

- 1) Press **left / right navigation key**  up to enter the ring volume control screen.
- 2) Press **right navigation key**  to increase the volume.
- 3) Press **left navigation key**  to decrease the volume.

### [ 6 ] Redialing the last-dialed number

The phone stores up to 10 last dialed numbers. Stored numbers may be up to 20 digits long.

- 1) Press **Send key**  for a second to find the most recently dialed numbers.
- 2) Press volume to scroll to the number you wish to dial.
- 3) Press **Send key**  once.

**Note : If no recently dialed numbers are stored, you will not be able to use this function.**

### [ 7 ] Caller ID

Requires a subscription to a calling plan that supports this feature. Not available in all areas. Contact your telephone service provider for availability and details. When Caller ID is active, your phone shows the caller's phone number during an incoming call, as long as this number is a part of your service provider's wireless network.

The wireless network lets you know if it does not recognize the caller's phone number.


The wireless network will also let you know if the calling party has blocked the Caller ID feature.

If you have stored the name and number of the calling party in your Contacts and that number is supported by the wireless network, the caller's name will also appear.

## [ 8 ] SMS and Voice Mail

Requires a subscription to a calling plan that supports this feature. Not available in all areas. Contact your telephone service provider for availability and details.

A new SMS or Voice mail arrives:

The back light of the LCD is ON and the display shows “New Message(s)”  On the screen.

## USING PHONE MENUS

### [ 1 ] Menu


A menu is a list of choices you can make. Your phone menu has 5 sub-menus. Each submenu contains options that allow you to use the message, change the ring tone, etc.

You can use menus and sub-menus in two ways: by scrolling or by using shortcuts.

### [ 2 ] Scrolling through menus

- 1) From the Start screen, press **Menu**, and then scroll through the menus using **up / down navigation** key.
- 2) Use the scroll and **OK** key to select the submenus and **back** key to return to the Start screen.

### [ 3 ] Exiting menu levels

- 1) To return to the previous menu level, press **Back** key or **Cancel** key.
- 2) To return to the Start screen, press **End** key.  No menu setting changes will be saved.

### [ 4 ] Menu Tree

You can refer to 23 pages about Menu tree for more details.

## ENTER LETTERS AND NUMBERS

You can enter letters, as well as numbers, when storing information in your phone by using your phone's keypad. To enter letters, press the key associated with the letter you wish to enter until it appears on the screen (numbers will also appear).

### [ 1 ] Entering Letters

When you want to add new names or when you view names in the Contacts, your phone automatically switches to the abc ( ABC ) mode and displays the abc icon .

Key Characters Key Characters

Key	Characters	Key	Characters
1	, . ? ! 1	2	a b c 2 á æ ä à ç
3	d e f 3 è é	4	g h i 4 ì
5	j k l 5 £	6	m n o 6 ö ø ò ñ
7	p q r s 7 \$	8	t u v 8 ù ü
9	w x y z 9	0	(Space) 0
*	, . ' ? ! " @ ¥ \$ _ ^ { } [ ~ ]   # % & ( ) * + - / : ; < = > ¡ § ÷	#	Change letter case( * )

\* : abc → Abc → ABC → 123 rotated

### [ 2 ] Editing name or phone number

To edit a name already stored in the Contacts:

- 1) From the main screen, use the **right soft key**.
- 2) From the Contacts list, select the name you want to edit by scrolling up / down navigation key and press **OK** key.

- 3) To edit, press the left soft key and scroll down to the edit option and press **OK** key .
- 4) Edit the name you want to change and / or press again **OK** key to change the phone number .
- 5) Press up or left navigation key to scroll the cursor to the left.
- 6) Press down or right navigation key to scroll the cursor to the right.
- 7) Press **Clear** to correct any mistakes.
- 8) Press the left soft key **OK** to save changes or the right soft key to cancel.

### [ 3 ] Changing the case of letters and numbers

You can switch the mode among uppercase and lowercase letters and numbers by pressing # key.

## OVERVIEW OF MENU TREE

Your phone's menu may differ from the following list, depending on the Network services to which you have subscribed and the accessories you are using. If you have any questions, please call your service provider.

### 1. Contacts

1. Read
2. Add
  - 1) Save to SIM
  - 2) Save to Phone
3. Memory Status
4. Speed dial
5. Copy
  - 1) SIM to Phone
  - 2) Phone to SIM
6. Clear all records
  - 1) Phone Records
  - 2) SIM Records
7. Group
  - 1) Family
  - 2) Friends
  - 3) Office
  - 4) Others
8. My Number

### 3. Dial Records

1. Incoming Call
2. Outgoing Call
3. Missed Call
4. Call Duration

### 2. Message

1. Write New
2. Inbox
3. Outbox
4. Drafts
5. Voice mail
  - 1) Number
  - 2) Clear
  - 3) Call Voice mail
6. Broadcast Message
  - 1) Receive Mode
  - 2) Languages
7. Message Settings
  - 1) Service center number
  - 2) Expire Period
  - 3) Message Type
  - 4) Status Report
  - 5) Alert Period
8. Memory Status

### 4. Settings

1. Phone Setting
  - 1) Clock Settings
  - 2) Language
  - 3) Answer Mode
2. Melody
  - 1) Melody Setup
  - 2) Volume
3. Display
  - 1) Idle Display
  - 2) Contrast
  - 3) Backlight
4. Call Setup
  - 1) Call Divert
  - 2) Call Barring
  - 3) Call Waiting
  - 4) Auto Redial
  - 5) Caller ID
5. Network Setup
  - 1) Network select mode
6. Security Setup
  - 1) SIM PIN
  - 2) Phone Lock
  - 3) Change Password
7. Factory Default


### 5. Applications

1. Alarm
  - 1) Alarm 1
  - 2) Alarm 2
  - 3) Alarm 3
2. Calculator
3. Calendar


## THE CONTACTS

New entries can be stored in the SIM card or in your Phone.

You can store up to 100 entries in the phone and an additional 250 in the SIM depending on the SIM limitations. Entries stored in the phone allow numbers of up to 30 digits, and names of up to 16 characters.

In standby mode, you can press Right Soft key  to immediately access the Contacts list. When the name is found by pressing Contacts, press option key to select option sub menu ( you can choose to send message, edit, clear, add to group, copy )

### Using Contact Menus

The Contacts has several menus to select from. These menus appear when you press **Menu** ( Left Soft key )  and select Contacts menu by pressing OK key. Press right option move back to the main menu.

- **Read** : Show the names stored in phone and / or SIM card.
- **Add**: Add new entry (s)
- **Memory Status**: Memory status of phone and SIM
- **Speed Dial**: One button dialing
- **Copy**: Copy from SIM (Phone) to Phone (SIM)
- **Clear All Records** : Clear all Phone or SIM entries
- **Group**: Organizing group of Contacts
- **My number**: Inputting your own number

#### [ 1 ] Read (by name)

From the Contacts menu, select Read and press left **OK** key or just press 1. Enter the first letters of the name you need and the cursor goes to the name you wanted directly after one second. Or select name using to scroll and press left **OK** key

After choosing one of the name, you can select left **option** and you can choose five sub menus.

- **Send Message To**: You can send SMS to this entry
- **Edit** : You can edit the name and number of this entry
- **Clear** : You can delete this entry only ( You need to re-confirm )
- **Add to group**: You can put this entry to group, but you cannot use SIM entry to a group.
- **Copy**: If you select a SIM card's entry and select **Copy**, you can copy it to phone memory. If your selection is Phone memory's entry, **Copy** means copy chosen entry to SIM card

#### [ 2 ] Adding a new Contacts Entry

To create a Contacts entry:

- 1) Press **Menu** > **Contacts** > Scroll to **Add** and press **OK**
- 2) Press **Save To SIM** or **Save To Phone** depending on where you want to store the phone entry.
- 3) Add Name and press **OK** key
- 4) Add Number and press **OK** key

#### [ 3 ] Memory Status

To press 'Memory Status' and you can see the capacity of SIM card used / SIM card total and Phone used / Phone total.

#### [ 4 ] Speed Dial

- 1) Press **Menu** > **Contacts**
- 2) Scroll to **Speed Dial** and press **OK**
- 3) Select one entry. If the numbers are **Empty**, Press **OK** > Select **Set/Change** and press **OK**, you can assign one phone number. After choosing one, press **OK**
- 4) If you assigned one phone number already, you can see four sub categories
  - **Set / Changes** : You can change the assigned number
  - **Detail** : You can see the number of this entry
  - **Clear** : You can delete this entry
  - **Dial to** : You can dial to this entry

**You can use only phone entries (No SIM entries) and appoint 8 entries. On the idle display, press one assigned button and press Call button Ex> If the number assigned in 2 is 01-34-567, just press 2 and Call button**

### [ 5 ] Copy

You can use this function to copy all numbers from the SIM card to your fixed phone, or vice versa:

- 1) Press **Menu > Contacts**
- 2) Scroll to **Copy** and press **OK**
- 3) Press **SIM to phone** or **Phone to SIM** depending on where you want to copy all Contacts entries.
- 4) Press **YES**, then the copy process is done promptly

### [ 6 ] Clear All Records

You can delete all Contacts entries:

- 1) Press **Menu > Contacts**
- 2) Scroll to **Clear all Records** and press **OK**
- 3) Press **Phone Records** or **SIM Records**, depending on where you want to delete all Contacts entries.
- 4) Press **OK** to confirm the deletion of all Contacts entries.
- 5) Select **Yes** if you want to delete. Otherwise, select **No** to go back to the previous menu.

**Caution : When complete all information stored in your Contacts will be deleted and can no longer be restored.**

### [ 7 ] Group

Contacts entries can be grouped to some units :

- 1) Press **Menu > Contacts**
- 2) Scroll to **Group** and press **OK**
- 3) And you can see four groups 1) Family 2) Friends 3) Office 4) Others
- 4) Select one and press left **OK** and you can see the sub menus

In one group, you can select three sub menus

- **Group Member:** You can see entry (s) belongs to the group
- **Rename :** You can edit the name of this group itself (Ex> Family → Home)
- **Alert Tone:** You can change the tone when the member of this group called you.

### [ 8 ] My Number

You can check, edit, erase and save your owner number

- 1) Press **Menu > Contacts**
- 2) Scroll to **My number** and select **Line 1 Number** or **Line 2 Number**
- 3) Save, edit, clear your own number and press **OK**

## MESSAGE

Requires a subscription to a calling plan that supports this feature. Not available in all areas. Contact your telephone service provider for availability and details. You can send or receive text messages with your phone. Text messages that you receive may contain ring tones that you can store in your phone. It supports 160 characters.

You can also send maximum about 600 characters. If your message is about 600 characters, the phone divides your message into four parts and send these in each time. This function is called SMS concatenation.

After completing the message content, you can choose to send it out right away, or save it as a draft.

- **Write New**
- **Inbox**
- **Outbox**
- **Drafts**
- **Voice Mail**
- **Broadcast Message**
- **Message Settings**
- **Memory Status**


### [ 1 ] Write New

You can send a text message to one recipient. You can manually enter each recipient's phone number, or you can select the numbers from the Contacts.

**Note:** The maximum length of a text message differs, depending on the capabilities of the network from which it originated. Also, text messages may appear different at different times because messages can originate in networks other than your own. Contact your service provider for more information about this feature.

- 1) Press **Menu > Message > OK**.
- 2) Scroll to Write New and press **OK**.
- 3) You can create the message.
- 4) When you press **OK**, you can see three submenus;
  - **Only Send** : After sending, the message is deleted
  - **Only save** : No sending. The message is saved into **Drafts**.
  - **Send and Save** : After sending the message is saved into **Outbox**

### [ 2 ] Inbox

When a message arrives, a pop-up message is displayed and a new message icon appears. You can read it immediately, or read it later in your Inbox. You can see the icon 

- 1) Press Menu > **Message**.
- 2) Scroll to the **Inbox** and press **OK**.
- 3) From the list, highlight the one you need and press **OK**.
- 4) You can choose six options
  - **Reply** : You can reply your messages.
  - **Forward** : You can forward the chosen message
  - **Edit** : You can edit the chosen message.
  - **Clear** : You can delete the chosen one.
  - **Clear All** : You can empty the Out box
  - **Cut Number** : You can cut and save the phone number from Inbox message

### [ 3 ] Outbox

The Outbox stores messages sent and saved.

- 1) Press Menu > **Message**.
- 2) Scroll to the **Outbox** and press **OK**.
- 3) From the list, highlight the one you need and press **OK**.
- 4) You can choose six options
  - **Send** : You can send the chosen message.
  - **Forward** : You can forward the chosen message to others
  - **Edit** : You can edit the chosen message.
  - **Clear** : You can delete the chosen one.
  - **Clear All** : You can empty the Out box

- ✦ **Cut Number** : You can cut and save the phone number from outbox message.

#### [ 4 ] Drafts

You can see draft messages which you already saved. After choosing one of them, you can have four choices

- ✦ **Forward**: You can send the chosen message.
- ✦ **Edit**: You can edit and save the chosen message.
- ✦ **Clear** : You can delete the chosen one.
- ✦ **Clear All**: You can empty the draft box.

#### [ 5 ] Voicemail (Network Service)

You can listen to your voicemail messages by calling your network voicemail phone number. Voicemail messages are stored in the network voicemail box, not in your phone.

- 1) Press **MENU > Message**.
- 2) Scroll to **Voice Mail** and press **OK**.
- 3) There are three submenus. Select one and press **OK**
  - ✦ **Number**: Enter or modify the network service number.
  - ✦ **Clear**: Delete Pre-saved service number
  - ✦ **Call Voice Mail**: Dial the network service number and connect to the Voicemail Server.

#### [ 6 ] Broadcast Message

There are 2 submenus you can choose

- ✦ **Receive Mode**
- ✦ **Languages**

#### [ 7 ] Message Setting

There are 5 submenus you can choose

- ✦ **Service Center Number**: The SMS Center Number is required in order to send messages. Ask your service provider for this number.

- ✦ **Expire Period**: Set the period of time the message is stored in the service center. You can set the period for 1 hour, 12 hours, 1 day, 1 week, maximum. When the set period expires, the service center will delete all messages, even if the user has not received the message.
- ✦ **Message Type**: When you set the message type, the network will convert the message to the type you have set. (Text//Fax//E-mail)
- ✦ **Status Report**: If you turn On this option, you can be notified if the recipient read your message.
- ✦ **Alert Period**: you can choose one time // Every 2 min // Off

**Note : After the SMS memory in the Phone is full, the phone starts using the memory in the SIM card.**

#### [ 8 ] Memory Status

Check memory status in the SIM and in the Phone. The total capacity of SIM is 50, total capacity of phone is 100. Also you can see used area of SIM and phone.




## DIAL RECORDS

The Call History function keeps track of:

- **Incoming Calls**
- **Outgoing Calls**
- **Missed Calls**
- **Call Duration**

**Note : Your phone can store up to 30 call numbers including missed, received and dialed calls.**

When you miss a call (s), the Missed Calls icon  appears on your phone's screen. You can press Select to view the Missed Calls list or press Back to ignore the message and go back to Standby. The records will be stored in Call History. You are notified of missed calls only when your phone is turned ON in the service area from which the missed call originated.

### [ 1 ] Checking Incoming/Outgoing/Missed Call

- 1) Press **Menu > Dial Records**
- 2) Select Incoming // Outgoing // Missed Call and press **OK**
- 3) From the list of records, select the one you need and press **OK**
- 4) The screen shows Call Information including Number, Date and Time of receiving.

**Note : In Standby, the icon indicates there are unread missed call records.**

### [ 2 ] Deleting Call Log

You can choose to delete Missed Calls, Dialed Calls or Received Calls and Delete All when you have any call log.

- 1) Press **Menu > Dial Records**
- 2) Choose one of them;  
Incoming call / Outgoing call / Missed call and press **OK**

- 3) You can press left **Option**
- 4) You can see six different menus
  - **Dial To:** When you choose one entry and select **OK**, directly calls to.
  - **Send Message To:** You can send this entry the SMS message without selecting recipient.
  - **Clear :** You can delete chosen entry
  - **Save Number:** You can save chosen number to SIM or Phone.
  - **Clear all:** You can delete all entries in the category (If you select **Outgoing call** all the **Outgoing call** entries are deleted)
  - **Show Number:** You can see the number of chosen entry

**Caution : Note that this action cannot be undone once you perform it. All the stored information in your log will be deleted.**

### [ 3 ] Call Duration

You can check the total duration of incoming call and last call duration. You can see **Outgoing Duration**, **Incoming Duration** and **Last Call Duration** in one display.

The type of checking time is hh : mm : ss ( h: Hours, m: Minute, s: Second )  
You can press left **Reset** to erase all call duration time.

## SETTINGS

Setting menu includes:

- **Phone Settings**
- **Melody**
- **Display**
- **Call Setup**
- **Network Setup**
- **Security Setup**
- **Factory Default**

### [ 1 ] Phone Settings

#### [ 1.1 ] Clock settings

This menu guides you to set Time/Date.

Setting Time/Date : Set the correct time and date to ensure the Alarm is working correctly.

#### Date & Time Setting

- 1) Press Menu > **Settings** > **OK**
- 2) Scroll Phone Settings and press **OK**.
- 3) Select Clock Settings then press **OK**.
- 4) Select Setting Date & Time and press **OK**.
- 5) Input month / day / year and hour/minute/am or pm by using numeric keys and navigation key
- 6) Press **Save**

**Date Format** : There are four types of expressions of dates

- DD / MM / YY (day / month / last two digits of this year)
- MM / DD / YY
- DD / MM / YYYY (day / month / full digits of this year)
- MM / DD / YYYY

**Date Separator** : There are four types of separators of date digits

- OO-OO-OO (Hyphen)
- OO/OO/OO (Slash)

- OO.OO.OO (Dot)
- OO OO OO (Blank)

#### Time Format:


You can choose 12h or 24 hours. For example, if the time is 1:22 pm ( 12h expression ) , it can be shown as 13:22 (24h expression)


#### [ 1.2 ] Language

Three languages can be selected: English / Spanish ( Español ). Also you may choose automatic option. Your native language can be chosen without manual selection.

- 1) Press **Menu** > **Settings** and press **OK**
- 2) Scroll **Phone Settings** and press **OK**
- 3) Select **Language** and then press **OK**
- 4) Select the language you need and press **OK**

#### [ 1.3 ] Answer Mode

Normal answer: After picking up the handset, you have to press answer key  to call.

Any key answer: To answer your receiving call, you can press any key except End key. 

### [ 2 ] Melody

#### [ 2.1 ] Melody setup

Set Melody for Incoming Call and Message Tone

**Note : For each tone setup, you can choose one of 10 ring tones for Incoming call and 4 ring tones for Message Tone.**

#### [ 2.2 ] Volume

Eight volume levels are available for Call, ring tone and keypad tone. Adjust the volume to your preference.

### [ 3 ] Display

#### [ 3.1 ] Idle Display

##### Clock and Date

When you choose **Enable**, you can see the date and clock on your idle display

##### Idle Text

When you input your own text, this will be shown on the idle display.

#### [ 3.2 ] Contrast

There are 20 levels for LCD contrast. Press right navigation key then the contrast goes up. Press left navigation key then the contrast is down

#### [ 3.3 ] Backlight

Set Specific LCD and Keypad Backlight time.

- 1) Select **Backlight** and press **OK**
- 2) Toggle Always off, 5 sec, 15 sec, 30 sec or 45 sec and press **OK**

### [ 4 ] Call Setup

The following features may require a subscription to a calling plan that supports them.

Not available in all areas. Contact your telephone service provider for availability and details

#### [ 4.1 ] Call Divert

Call Divert is a network or subscription dependent service. It allows you to forward a call to another number, based on various conditions.

- 1) Press **Menu > Settings** and press **OK**
- 2) Scroll Call Setup and press **OK**
- 3) Press Call Divert and press **OK**
- 4) Select one of the options below, and then press **OK**
  - **All Voice Calls** : All incoming calls to a designated number.

- **On Busy** : Divert all incoming calls when there is at least one call in progress.
  - **No Answer** : Divert the incoming call if it is not answered
  - **Unreachable** : Divert all incoming calls when the phone is not reachable due to a network error or some other reason.
- 5) Select Check Status, Activate, or Deactivate and press **OK**
    - **Check Status**: Check current Call Divert setting status.
    - **Activate**: Activate the chosen Call Divert option. Type the number you want a call to be forwarded to.
    - **Deactivate**: Deactivate the chosen Call Divert option.

#### [ 4.2 ] Call Barring (Network Service)

Call Barring is a network or subscription dependent service.

This feature allows you to restrict or bar certain or all types of calls to and from your phone.

- 1) Press **Menu > Settings** and press **OK**
- 2) Scroll **Call Setup** and press **OK**
- 3) Press **Call Barring** and press **OK**
- 4) Select one of the options below, and then press **OK**
  - **All Outgoing Calls** : Bar all outgoing calls.
  - **All Calls abroad** : Bar all outgoing international calls.
  - **Abroad but Home**: Prevent users from making any international calls other than to home
  - **All Incoming Calls**: All Calls Bar all incoming calls.
  - **Incoming While Roam**: Bar all incoming calls when the phone is roaming.
- 5) Select Check Status, Activate, Deactivate and press **OK**
  - **Check Status**: Check current Call Barring setting status.
  - **Activate**: the chosen Call Barring option.
  - **Deactivate**: Deactivate the chosen Call Barring option.

**Note : To activate and deactivate Outgoing, Incoming, and Cancel Calls, the SIM password is required. Contact your service provider.**

#### [ 4.3 ] Call waiting (Network service)

Call Waiting is a network or subscription dependent service.

If set to Activate, the Call Waiting feature enables the network to remind you of other incoming calls during a call in progress.

- 1) Press **Menu > Settings** and press **OK**
- 2) Scroll **Call Setup** and press **OK**
- 3) Select **Call Waiting** and press **OK**
- 4) Select **Check Status, Activate, Deactivate** and then press **OK**
  - ✦ **Check Status:** Check current Call Waiting setting status.
  - ✦ **Active:** Activate Call Waiting function
  - ✦ **Deactivate:** Deactivate Call Waiting function.

#### [ 4.4 ] Auto Redial

Setting the Auto Redial to toggle enable, the phone to keep dialing if the called party is not available.

- 1) Press **Menu > Settings** and press **OK**
- 2) Scroll **Call Setup** and press **OK**
- 3) Select **Auto Redial** and press **OK**
- 4) Toggle **Enable or Disable**, and then press **OK**

#### [ 4.5 ] Caller ID

Caller ID is a network or subscription dependent service.

You can choose to send/hide your phone number to/from the calling party.

- 1) Press **Menu > Settings** and press **OK**
- 2) Scroll **Call Setup** and press **OK**
- 3) Select **Caller ID** and press **OK**
- 4) Toggle **Set by Network, Hide Number or Show Number** and then press **OK**
  - ✦ **Set By Network:** Accepts the default value set by Network.
  - ✦ **Hide ID:** Does not show your phone number to the calling party.
  - ✦ **Show ID:** Shows your phone number to the calling party.

#### [ 5 ] Network Setup

##### Network Select mode

You can set the phone to automatically search the most suitable network to camp on or to manually select the network you need.

- 1) Press **Menu > Settings** and press **OK** .
- 2) Scroll **Network Setup** and press **OK**
- 3) Select **Network Select mode** and press **OK**

- 4) Select **Automatic selection or Manual selection** and then press **OK**

**Manual mode :** The phone starts searching available networks. Use the up and down key to browse the network list, and press **OK** to set the highlighted networks

#### [ 6 ] Security Setup

There are three options available:

- ✦ **SIM PIN :** Prevent unauthorized use of the SIM card and or the some features of services of telephone service provider
- ✦ **Phone Lock :** Prevent unauthorized use of the phone.
- ✦ **Change Password :** Change by inputting the password two times

#### [ 6.1 ] SIM PIN

SIM PIN ( SIM Personal Identification number ) is a four-to-eight digit numeric or password. It is related with the service of your service provider. For more detail, contact your service provider.

- 1) Press **Menu > Settings** and press **OK**
- 2) Scroll **Security Set Up** and press **OK**
- 3) Select **SIM PIN** and press **OK**
- 4) Select **PIN Check, Change PIN1, Change PIN2** and then press **OK**.
  - ✦ **PIN Check :** Allow or disallow the use of SIM PIN by entering old SIM PIN code
  - ✦ **Change PIN 1 :** This is a pin code that locks the sim card until you enter the correct code. The default code is set by the Service Provider. You can change it if you like by entering defaulted PIN code by Service provider, but make sure you don't forget the new code
  - ✦ **Change PIN 2 :** This sim card code controls access to some of the more advanced features of the phone. The default code is set by the Service Provider. You can change it if you like by entering defaulted PIN code by Service provider, but make sure you don't forget the new code. Not all networks support pin 2.

**Caution:** If you unsuccessfully enter the SIM PIN code three times, the SIM card will be Locked. And then contact your telephone service provider to get PUK code to unlock SIM card.

**[ 6.2 ] Phone Lock**

The default password is "0000".

- 1) Press **Menu > Settings** and press **OK**
- 2) Scroll **Security Set Up** and press **OK**
- 3) Select **Phone Lock** and press **OK**
- 4) When 'On' is chosen, there are two options.
  - **Verify when Power-on:** Every time you must enter password when power on
  - **Verify with new SIM:** When you change SIM card, you enter the password

**Change Password**

This feature allows you to change the password.

- 1) Press **Menu > Settings** and press **OK**
- 2) Scroll **Security Setup** and press **OK**
- 3) Select **Change Password** and press **OK**

**Note : You need to input three times. Old password, the new password and confirmation. Every time you enter the input press OK**

**[ 7 ] Factory Default**

This feature resets the current settings to the factory default values. The default phone code is "0000".

- 1) Press **Menu > Settings** and press **OK**
- 2) Select **Factory Default** and press **OK**
- 3) Enter the 4-digit password and press **OK**

**APPLICATIONS**

Applications includes:

- **Alarm**
- **Calculator**
- **Calendar**

**[ 1 ] Alarm**

When alarm is set, the icon appears on the standby screen.

- 1) Press **Menu > Applications** and press **OK**
- 2) Select **Alarm** and press **OK**
- 3) Select Alarm 1 and or 2 and or 3 for setting alarm and Press **OK**
- 4) You can select four cases. Off//One time // Mon~Fri // Everyday. Select your favorite by scrolling left and right navigation key
- 5) After selecting one type, you can go down using up down navigation key and set the alarm time by pressing numeric key ( time ) and left right navigation key ( am / pm ).
- 6) After setting the time, you can go down using up down navigation key and choose alarm ring tone by pressing left and right key. There are 3 options of ring tone.
- 7) Press **Save**

**[ 2 ] Calculator**

You can calculate 9 digits.

Key description:

- **+, -, /, x :** Use up / down navigation keys to select.
- **Clear :** Press once to clear one digit.

- 1) Press **Menu > Applications** and press **OK**
- 2) Select **Calculator** and press **OK**.
- 3) Enter the first value by number keys

- 4) Select the calculating mark by the up and down navigation key
- 5) The calculating mark will toggle among  $+$  ,  $-$  ,  $\times$  ,  $\div$
- 6) Enter the second value by number keys
- 7) Press left **OK** to display the result of calculation. And you can use calculated results using up / down navigation key in the next calculation.

### [ 3 ] Calendar

You can examine the month and date by Navigation key .

- 1) Press **Menu** > **Applications** and press **OK**
- 2) Select **Calendar** and press **OK**

## TECHNICAL INFORMATION

### Technical Specification

<b>Weight</b>	<b>Handset</b>	
	<b>Transceiver</b>	
<b>Size</b>	<b>Handset</b>	200mm*199mm*84mm
	<b>Transceiver</b>	
	<b>Antenna</b>	
<b>Wireless Network</b>		850 / 1900 MHz
<b>Frequency range</b>		824~960MHz, 1710~1990MHz
<b>Battery</b>	<b>Type</b>	Rechargeable / Ni-MH
	<b>Talk time</b>	4 Hours
	<b>Standby time</b>	150 Hours
<b>Antenna</b>		External
<b>LCD</b>	<b>Resolution</b>	128*64 ( pixel * pixel )
<b>Adapter</b>	<b>Type</b>	AC
	<b>Input Voltage</b>	100 V ~ 240 V
	<b>Output Voltage</b>	5 V

## TROUBLE SHOOTING

Before contacting the after-sales service, perform the following simple checks. They may save you the time and expense of an unnecessary service call.

When you switch your phone on, the following messages appear

### Insert SIM Card

- Check that the SIM card is correctly installed. (Try opposite direction)

### Phone Locked

- The automatic locking function has been enabled. You must enter the phone's password before you can use the phone.

### Enter PIN

- You are using your phone for the first time. You must enter the Personal Identification Number supplied with the SIM card.
- The option requiring that the PIN be entered each time the phone is switched on has been enabled. You must enter your PIN and then disable this option if so required.

### Enter PUK

- The PIN code was entered wrongly three times in succession and the phone is now blocked. Enter the PUK supplied by your network operator.

### “No service” is displayed

- The network connection was lost. You may be in a weak reception area (in a tunnel or surrounded by buildings). Move and try again.
- You are trying to access an option for which you have not taken out a subscription with your service provider. Contact the service provider for further details.

### You have entered a number but it was not dialed

- Have you pressed ?
- Are you accessing the right cellular network?
- You may have set an outgoing call barring option.

**Your correspondent cannot reach you**

- Is your phone switched on ( pressed for more than one second)?
- Are you accessing the right cellular network?
- You may have set an incoming call barring option.

**Your correspondent cannot hear you speaking**

- Have you switched off the microphone (appears)?
- Are you holding the phone close enough to your mouth? The microphone is located in the bottom center of the phone.

**The phone starts beeping and “\*\* Warning \*\* Battery Low” flashes in the display**

- The battery is insufficiently charged. Replace the battery with a charged one and recharge it or connect the battery charger.

**The audio quality of the call is poor**

- Check the signal strength indicator in the display. The number of bars after it indicates the

**Signal strength from strong to weak.**

- Try moving the phone slightly or moving closer to a window if you are in a building.

**No number is dialed when you recall a phonebook entry**

- Check that the numbers have been stored correctly, by using the Contacts Search feature.
- Re-store them, if necessary.

**Access Codes**

There are several access codes that are used by your phone and its SIM card. These codes help you protect the phone against unauthorized use.

The access codes (except for the PUK codes) can be changed using the Security Settings menu options.

**Phone Password**

The phone password can be set to avoid unauthorized use of the phone. The password generally supplied with the phone is 0000. You are advised to change it before you start using your phone.

Keep the new password secret and in a safe place, separate from the phone.

**PIN**

The PIN (Personal Identification Number) protects your SIM card against unauthorized use. The PIN is usually supplied with the SIM card. When the PIN Check feature is enabled, the PIN is needed each time the phone is switched on. If you key in an incorrect PIN three times in succession, key in the PUK and press the OK soft key.

Key in a new PIN and press the OK soft key. Key in the new PIN again and press the OK soft key.

**PUK**

The PUK (Personal Unblocking Key) is required to change a blocked PIN. The PUK may be supplied with the SIM card. If not, contact your local service provider.

If you key in an incorrect PUK ten times in succession, the SIM card cannot be used anymore.

Contact your service provider for a new card.

You cannot change the PUK. If you los